

WHAT IS CLAIMED:

1. An olefinic resin composition containing:

(A) 60 to 90 parts by mass of propylene-based polymer the melt flow rate of which is about 5 or less;

(B) 10 to 40 parts by mass of at least one polymer selected from the group consisting of:

(B1) thermoplastic styrene elastomer,

(B2) thermoplastic styrene elastomer denatured by acid component,

(B3) a mixture of said thermoplastic styrene elastomer and said thermoplastic styrene elastomer denatured by acid component, in which said styrene elastomer and said denatured styrene elastomer respectively account for about 5 to about 35 parts by mass in the total amount of 10 to 40 parts by mass;

(B4) rubber denatured by acid component,

(B5) polyolefin denatured by acid component and

(B6) a mixture of polyolefin and said polyolefin denatured by acid component, in which said polyolefin and said denatured polyolefin respectively account for about 5 to about 35 parts by mass in the total amount of 10 to 40 parts by mass,

whereby the total amount of said propylene-based polymer (A) and said polymer (B) is 100 parts by mass;

(C) 120 to 220 parts by mass of either metal hydroxide or a mixture of metal hydroxide and metal hydroxide the surface of which is treated with a coupling agent or fatty acid,

wherein, when said thermoplastic styrene elastomer (B1), said

thermoplastic styrene elastomer denatured by acid component (B2) or said polyolefin denatured by acid component (B5) is chosen as polymer (B), there is used a mixture of said metal hydroxide and said metal hydroxide the surface of which is treated with a coupling agent or fatty acid, in which said metal hydroxide accounts for 200 to 20 parts by mass, while said surface-treated metal hydroxide accounts for 20 to 100 parts by mass, in the total amount of 120 to 220 parts by mass; and

(D) 5 to 40 parts by mass of a nitrogen-containing compound.

2. The olefinic resin composition according to claim 1, wherein said thermoplastic styrene elastomer (B1) comprises at least one compound selected from the group consisting of a styrene-butadiene block copolymer, a styrene-ethylene-propylene block copolymer, a derivative of either thereof in which double bond is hydrogenated, and a styrene elastomer in which double bond of a styrene-isoprene block copolymer is hydrogenated.

3. The olefinic resin composition according to claim 1, wherein said denatured polyolefin comprises at least one copolymer selected from the group consisting of an ethylene-vinyl acetate copolymer, an ethylene-ethyl acrylate copolymer, an ethylene-methyl acrylate copolymer and an ethylene-butyl acrylate copolymer.

4. The olefinic resin composition according to claim 2, wherein said polyolefin comprises at least one copolymer selected from the group consisting of an ethylene-vinyl acetate copolymer, an ethylene-ethyl acrylate copolymer, an ethylene-methyl acrylate copolymer and an ethylene-butyl acrylate copolymer.

5. The olefinic resin composition according to claim 1, wherein said acid component used for denaturation comprises unsaturated carboxylic acid or a derivative thereof.

6. The olefinic resin composition according to claim 1, wherein said polyolefin (B5) denatured by acid component is an elastomer in which said acid component is introduced into common polyolefin.

7. The olefinic resin composition according to claim 1, wherein said polyolefin (B5) denatured by acid component comprises a copolymer of olefin with (meth)acrylic acid or an ester thereof, or with vinyl acetate.

8. The olefinic resin composition according to claim 7, wherein said polyolefin comprises an ethylene-vinyl acetate copolymer, an ethylene-ethyl acrylate copolymer, an ethylene-methyl acrylate copolymer or an ethylene-butyl acrylate copolymer.

9. The olefinic resin composition according to claim 1, wherein said coupling agent with which the surface of said metal hydroxide is treated comprises a silane coupling agent.

10. The olefinic resin composition according to claim 1, wherein said surface-treated metal hydroxide comprises magnesium hydroxide the surface of which is treated with an aminosilane coupling agent.

11. The olefinic resin composition according to claim 1, wherein said nitrogen-containing compound comprises at least one compound selected from the group consisting of melamine, guanamine, cyanuric acid, isocyanuric acid and a derivative of each thereof.

12. The olefinic resin composition according to claim 11, wherein said nitrogen-containing compound comprises melamine cyanurate.

13. An electric wire coated with the olefinic resin composition which contains:

(A) 60 to 90 parts by mass of propylene-based polymer where melt flow rate is about 5 or less;

(B) 10 to 40 parts by mass of at least one polymer selected from the group consisting of:

(B1) thermoplastic styrene elastomer,

(B2) thermoplastic styrene elastomer denatured by acid component,

(B3) a mixture of said thermoplastic styrene elastomer and said thermoplastic styrene elastomer denatured by acid component, in which said styrene elastomer and said denatured styrene elastomer respectively account for about 5 to about 35 parts by mass in the total amount of 10 to 40 parts by mass;

(B4) rubber denatured by acid component,

(B5) polyolefin denatured by acid component and

(B6) a mixture of polyolefin and said polyolefin denatured by acid component, in which said polyolefin and said denatured polyolefin respectively account for about 5 to about 35 parts by mass in the total amount of 10 to 40 parts by mass,

whereby the total amount of said propylene-based polymer (A) and said polymer (B) is 100 parts by mass;

(C) 120 to 220 parts by mass of either metal hydroxide or a mixture of metal hydroxide and metal hydroxide the surface of which is treated with a coupling agent or fatty acid,

wherein, when said thermoplastic styrene elastomer (B1), said thermoplastic styrene elastomer denatured by acid component (B2) or said polyolefin denatured by acid component (B5) is chosen as polymer (B), there is used a mixture of said metal hydroxide and said metal hydroxide the surface of which is treated with a coupling agent or fatty acid, in which said metal hydroxide accounts for 200 to 20 parts by mass, while said surface-treated metal hydroxide accounts for 20 to 100 parts by mass, in the total amount of 120 to 220 parts by mass; and

(D) 5 to 40 parts by mass of a nitrogen-containing compound.

14. A process of coating an electric wire comprising applying to an electric wire an olefinic resin composition which contains:

(A) 60 to 90 parts by mass of propylene-based polymer where melt flow rate is about 5 or less;

(B) 10 to 40 parts by mass of at least one polymer selected from the group consisting of:

(B1) thermoplastic styrene elastomer,

(B2) thermoplastic styrene elastomer denatured by acid component,

(B3) a mixture of said thermoplastic styrene elastomer and said thermoplastic styrene elastomer denatured by acid component, in which said styrene elastomer and said denatured styrene elastomer respectively account for about 5 to about 35 parts by mass in the total amount of 10 to 40 parts by mass;

(B4) rubber denatured by acid component,

(B5) polyolefin denatured by acid component and

(B6) a mixture of polyolefin and said polyolefin denatured by acid component, in which said polyolefin and said denatured polyolefin respectively account for about 5 to about 35 parts by mass in the total amount of 10 to 40 parts by mass,

whereby the total amount of said propylene-based polymer (A) and said polymer (B) is 100 parts by mass;

(C) 120 to 220 parts by mass of either metal hydroxide or a mixture of metal hydroxide and metal hydroxide the surface of which is treated with a

coupling agent or fatty acid,

wherein, when said thermoplastic styrene elastomer (B1), said thermoplastic styrene elastomer denatured by acid component (B2) or said polyolefin denatured by acid component (B5) is chosen as polymer (B), there is used a mixture of said metal hydroxide and said metal hydroxide the surface of which is treated with a coupling agent or fatty acid, in which said metal hydroxide accounts for 200 to 20 parts by mass, while said surface-treated metal hydroxide accounts for 20 to 100 parts by mass, in the total amount of 120 to 220 parts by mass; and

(D) 5 to 40 parts by mass of a nitrogen-containing compound.